

date of the bill. Overtime or holiday inspection will not be performed for anyone having a delinquent account.

[40 FR 45800, Oct. 3, 1975, as amended at 54 FR 6389, Feb. 10, 1989]

**§ 307.7 Safety requirements for electrical stimulating (EST) equipment.**

(a) *General.* Electrical stimulating (EST) equipment is equipment that provides electric shock treatment to carcasses for the purpose of accelerating rigor mortis or facilitating blood removal. These provisions do not apply to electrical equipment used to stun and/or slaughter animals or to facilitate hide removal. Electrical stimulating equipment consists of two separate pieces—the control system and the applicator. The EST control system contains the circuitry to generate pulsed DC or AC voltage for stimulation and is separate from the equipment used to apply the voltage to the carcass. The voltage is applied by inserting a probe that penetrates the carcass or is inserted in the rectum, placing a clamp in the nose, a carcass rub-bar, a conveyor with energized surfaces traveling with the carcass, or any other method found to be acceptable by the Administrator. The Administrator will evaluate EST equipment to determine its acceptability for its proposed use before it is installed in an official establishment as set forth in § 308.5 of this subchapter.

(b) *Safety requirements—(1) Circuits, grounding.* Either a bonded grounding conductor shall lead from each section of the carcass rail within the stimulating enclosure to the service ground, or the secondary voltage (stimulating circuit) shall be insulated from the service ground. If the stimulating section of the carcass rail and carcass drive mechanisms are insulated from the service ground then the stimulating rail or the return path shall be electrically bonded to the transformer secondary to isolate the stimulation voltage.

(2) *Enclosure.* Electrical stimulation shall occur in an area that will prevent persons from contacting an energized surface. If the area is surrounded by physical barriers, the enclosure shall be either electrically grounded or it shall be made of materials that do not

conduct electricity. The interior of the stimulating area shall be visible from the start switch so the operator can be assured that there is no person, equipment or material present that should not be there prior to starting the stimulating sequence. If light or sound beam sensors form the enclosure, the stimulating equipment shall be automatically shut off when the sensor signals are broken.

(3) *Mandatory Warning Devices and Signals.* The following warning devices or signals shall be installed at each opening to the stimulating area through which a person would normally enter:

(i) A red light that flashes distinctly during the operating cycle of the stimulating equipment.

(ii) An ANSI Z53.1-Color Code sign reading (a) "Danger Electrical Hazard" for stimulating voltage below 50 or (b) "Danger High Voltage" for stimulating voltage above 50.

(iii) An emergency stop button.

(4) *Optional Warning Device—Horn or Bell.* If a warning horn or bell is installed, the signal shall be audible above background noises in the vicinity, and it shall sound for at least 1 second before each manual stimulation or before the carcass chain is started in an automatic system.

(c) *Operation—*

(1) *Training.* Only persons who have received safety instruction by the equipment manufacturer or designee may operate electrical stimulating equipment.

(2) *Cleaning and Maintenance.* To prevent an electrical shock to personnel, the electricity supplied to the stimulating surfaces shall be locked-off when cleaning, mechanical inspection, maintenance or testing are performed.

(3) *Water.* To prevent an electrical shock, personnel shall not spray streams of water on energized carcasses or on energized stimulating surfaces.

(d) *Special provisions for manually operated equipment.*

(1) Stimulating probes or clamps shall be stored in a sanitary container

which is insulated with a material approved by the Administrator.<sup>1</sup>

(2) The electric wires attached to a clamp or probe shall not allow for contact between the probe or clamp and an electrical ground and shall not extend outside the enclosure.

[53 FR 46432, Nov. 17, 1988]

## PART 308—SANITATION

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308.8 Operations, procedures, rooms, clothing, utensils, etc., to be clean and sanitary.

308.9 Protective handling of products.

308.10 Slack barrels and similar containers and means of conveyance used for product; paper in contact with product.

308.11 Burlap wrapping for meat.

308.12 Second-hand tubs, barrels, and other containers.

308.13 Inedible operating and storage rooms; outer premises, docks, driveways, approaches, pens, alleys, etc.; flybreeding material; other conditions.

308.14 Employment of diseased persons.

308.15 Tagging insanitary equipment, utensils, rooms or compartments.

308.16 Sanitation requirements for electrical stimulating (EST) equipment.

AUTHORITY: 21 U.S.C. 601-695; 7 CFR 2.18, 2.53.

SOURCE: 35 FR 15561, Oct. 3, 1970, unless otherwise noted.

### § 308.1 Examination and specifications for equipment and sanitation prior to granting inspection.

Prior to the inauguration of inspection, an examination of the establish-

ment and premises shall be made by a Program employee and the requirements for sanitation and the necessary facilities for inspection shall be specified by him in accordance with the regulations in this part and part 307 of this subchapter.

### § 308.2 [Reserved]

### § 308.3 Establishments; sanitary condition; requirements.

(a) Official establishments shall be maintained in sanitary condition, and to this end the requirements of this section shall be complied with. The provisions of part 416 of this chapter apply to all establishments, *except* establishments that are exempt in accordance with § 303.1 of this chapter.

(b) There shall be abundant light, of good quality and well distributed, and sufficient ventilation for all rooms and compartments to insure sanitary condition.

(c) There shall be an efficient drainage and plumbing system for the establishment and premises, and all drains and gutters shall be properly installed with traps and vents approved by the circuit supervisor.

(d)(1) The water supply shall be ample, clean, and potable, with adequate facilities for its distribution in the plant and its protection against contamination and pollution. Every establishment shall make known and, whenever required by the circuit supervisor, shall afford opportunity for inspection of the source of its water supply, the storage facilities, and the distribution system. Equipment using potable water shall be so installed as to prevent back-siphonage into the potable water system. Nonpotable water is permitted only in those parts of official establishments where no edible product is handled or prepared, and then only for limited purposes such as on ammonia condensers not connected with the potable water supply, in vapor lines serving inedible product rendering tanks, in connection with equipment used for hashing and washing inedible products preparatory to tanking, and in sewer lines for moving heavy solids in the sewage. Nonpotable water is not permitted for washing floors,

<sup>1</sup>A list of approved insulation materials is available upon request from the Facilities, Equipment and Sanitation Division, Technical Services, Food Safety and Inspection Service, U.S. Department of Agriculture, Washington, DC 20250.